

L Number	Hits	Search Text	DB	Time stamp
1	2508	(sponge or delayed or green).ti.	USPAT	2003/02/11 14:34
2	1447	(coke or coking or felxicoking).ti.	USPAT	2003/02/11 14:18
3	47	((sponge or delayed or green).ti.) and ((coke or coking or felxicoking).ti.)	USPAT	2003/02/11 18:03
4	12	(adsorb\$5 or sorb\$4) near5 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near5 (coke)	USPAT	2003/02/11 14:40
5	0	((sponge or delayed or green).ti.) and ((coke or coking or felxicoking).ti.)) and ((adsorb\$5 or sorb\$4) near5 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near5 (coke))	USPAT	2003/02/11 14:33
6	1206	(sponge or delayed or green) near9 (coke or coking)	USPAT	2003/02/11 14:34
7	3	((adsorb\$5 or sorb\$4) near5 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near5 (coke)) and ((sponge or delayed or green) near9 (coke or coking))	USPAT	2003/02/11 14:34
9	0	((sponge or delayed or green).ti.) and ((coke or coking or felxicoking).ti.)) and ((adsorb\$5 or sorb\$4) near9 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near9 (coke or coking or flexicoking))	USPAT	2003/02/11 14:43
10	7	((sponge or delayed or green) near9 (coke or coking)) and ((adsorb\$5 or sorb\$4) near9 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near9 (coke or coking or flexicoking))	USPAT	2003/02/11 14:46
11	41375	(clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)	USPAT	2003/02/11 14:52
12	191	((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission))	USPAT	2003/02/11 14:53
13	191	((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and ((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)))	USPAT	2003/02/11 15:05
14	1	((adsorb\$5 or sorb\$4) near5 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near5 (coke)) and (((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and (((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission))))	USPAT	2003/02/11 14:54
15	6	((sponge or delayed or green).ti.) and ((coke or coking or felxicoking).ti.)) and (((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and (((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission))))	USPAT	2003/02/11 14:54

16	32317	sponge	USPAT	2003/02/11 15:05
17	44	((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and ((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)))) and sponge	USPAT	2003/02/11 15:17
18	147	((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission))) not (((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and ((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)))) and sponge)	USPAT	2003/02/11 15:17
19	1222	208/128-132.ccls.	USPAT	2003/02/11 15:17
20	13	((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission))) not (((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and ((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)))) and sponge)) and 208/128-132.ccls.	USPAT	2003/02/11 15:18
21	5	scaltech.asn.	USPAT	2003/02/11 15:21
22	1	((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and ((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)))) and scaltech.asn.	USPAT	2003/02/11 15:20
23	2	((sponge or delayed or green) near9 (coke or coking)) and scaltech.asn.	USPAT	2003/02/11 15:22
24	1	((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and scaltech.asn.	USPAT	2003/02/11 15:22
25	118	chemical\$4 near3 carboniz\$6	USPAT	2003/02/11 15:24
26	2	((adsorb\$5 or sorb\$4) near9 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near9 (coke or coking or flexicoking)) and (chemical\$4 near3 carboniz\$6)	USPAT	2003/02/11 15:28
27	422	(activat\$3 near4 (coke or carbon)).ti.	USPAT	2003/02/11 15:29
28	6	((sponge or delayed or green) near9 (coke or coking)) and ((activat\$3 near4 (coke or carbon)).ti.)	USPAT	2003/02/11 15:35

29	2	((adsorb\$5 or sorb\$4) near9 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near9 (coke or coking or flexicoking)) and (chemical\$4 near3 carboniz\$6)	USPAT	2003/02/11 15:36
30	0	((adsorb\$5 or sorb\$4) near9 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near9 (coke or coking or flexicoking)) and 208/128-132.ccls.	USPAT	2003/02/11 15:36
31	192	(impregnat\$3 or inject\$3 or incorporat\$4) near12 (sulfur or agent or chemical or ion or ionizing) near12 (coke or coking or quench)	USPAT	2003/02/11 15:40
32	4	((adsorb\$5 or sorb\$4) near9 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near9 (coke or coking or flexicoking)) and ((impregnat\$3 or inject\$3 or incorporat\$4) near12 (sulfur or agent or chemical or ion or ionizing) near12 (coke or coking or quench))	USPAT	2003/02/11 15:46
33	362	(hydroprocess\$ or hydrogenat\$4) near6 coke	USPAT	2003/02/11 15:47
34	4	((adsorb\$5 or sorb\$4) near9 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near9 (coke or coking or flexicoking)) and ((hydroprocess\$ or hydrogenat\$4) near6 coke)	USPAT	2003/02/11 15:51
35	5	(asphaltic or asphaltenic) adj coke	USPAT	2003/02/11 15:52
36	15	thermal adj coke	USPAT	2003/02/11 15:57
37	1	((asphaltic or asphaltenic) adj coke) and (thermal adj coke)	USPAT	2003/02/11 15:55
38	158	sncr	USPAT	2003/02/11 15:57
40	6	((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and (sncr and coke)	USPAT	2003/02/11 15:59
41	16	hydroprocess\$3 near2 coke	USPAT	2003/02/11 16:04
42	3402	208/400-432.ccls. or 208/128-132.ccls.	USPAT	2003/02/11 16:05
43	55	((hydroprocess\$ or hydrogenat\$4) near6 coke) and (208/400-432.ccls. or 208/128-132.ccls.)	USPAT	2003/02/11 16:36
44	1	3817853.pn.	USPAT	2003/02/11 17:09
45	1	3817853.pn.	USPAT	2003/02/11 17:54
46	1230	((((sponge or delayed or green).ti.) and ((coke or coking or felxicoking).ti.)) or 208/128-132.ccls.	USPAT	2003/02/11 18:03
47	6082	catal\$5 near10 coke	USPAT	2003/02/11 18:04
49	3466	(petroleum or green or sponge or delayed) near5 coke	USPAT	2003/02/11 18:06
50	53	(((((sponge or delayed or green).ti.) and ((coke or coking or felxicoking).ti.)) or 208/128-132.ccls.) and (catal\$5 near10 coke)) and ((petroleum or green or sponge or delayed) near5 coke)	USPAT	2003/02/11 18:17
51	11675	(volatile or VCM) near3 (content or amount or composition)	USPAT	2003/02/11 18:20

52	9	(((((sponge or delayed or green).ti.) and ((coke or coking or felxicoking).ti.)) or 208/128-132.ccls.) and (catal\$5 near10 coke)) and ((petroleum or green or sponge or delayed) near5 coke)) and ((volatile or VCM) near3 (content or amount or composition))	USPAT	2003/02/11 18:26
53	11	((volatile or VCM) near3 (content or amount or composition)) near12 sponge	USPAT	2003/02/11 18:27
54	79	spon\$2 near2 coke	USPAT	2003/02/11 18:28
55	5	((volatile or VCM) near3 (content or amount or composition)) near12 ((volatile or VCM) near3 (content or amount or composition)) near12 sponge)	USPAT	2003/02/11 18:29
56	1	((volatile or VCM) near3 (content or amount or composition)) near12 (spon\$2 near2 coke)	USPAT	2003/02/11 18:30
57	1	((volatile or VCM) near3 (content or amount or composition)) near20 (spon\$2 near2 coke)	USPAT	2003/02/11 18:32
58	1	((volatile or VCM) near3 (content or amount or composition)) near40 (spon\$2 near2 coke)	USPAT	2003/02/11 18:32
59	1	((volatile or VCM) near3 (content or amount or composition)) near80 (spon\$2 near2 coke)	USPAT	2003/02/11 18:32
60	1	((volatile or VCM) near3 (content or amount or composition)) near100 (spon\$2 near2 coke)	USPAT	2003/02/11 18:32
61	11	((volatile or VCM) near3 (content or amount or composition)) and (spon\$2 near2 coke)	USPAT	2003/02/11 18:32
48	94	(((((sponge or delayed or green).ti.) and ((coke or coking or felxicoking).ti.)) or 208/128-132.ccls.) and (catal\$5 near10 coke)	USPAT	2003/02/11 19:36
62	1	5320739.pn.	USPAT	2003/02/11 19:37
63	0	((((sponge or delayed or green).ti.) and ((coke or coking or felxicoking).ti.)) and 5320739.pn.	USPAT	2003/02/11 19:37
8	49	(adsorb\$5 or sorb\$4) near9 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near9 (coke or coking or flexicoking)	USPAT	2003/02/11 19:37
39	22	sncr and coke	USPAT	2003/02/11 19:38

L Number	Hits	Search Text	DB	Time stamp
1	2508	(sponge or delayed or green).ti.	USPAT	2003/02/11 14:34
2	1447	(coke or coking or felxicoking).ti.	USPAT	2003/02/11 14:18
3	47	((sponge or delayed or green).ti.) and ((coke or coking or felxicoking).ti.)	USPAT	2003/02/11 14:30
4	12	(adsorb\$5 or sorb\$4) near5 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near5 (coke)	USPAT	2003/02/11 14:40
5	0	((sponge or delayed or green).ti.) and ((coke or coking or felxicoking).ti.)) and ((adsorb\$5 or sorb\$4) near5 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near5 (coke))	USPAT	2003/02/11 14:33
6	1206	(sponge or delayed or green) near9 (coke or coking)	USPAT	2003/02/11 14:34
7	3	((adsorb\$5 or sorb\$4) near5 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near5 (coke)) and ((sponge or delayed or green) near9 (coke or coking))	USPAT	2003/02/11 14:34
8	49	(adsorb\$5 or sorb\$4) near9 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near9 (coke or coking or flexicoking)	USPAT	2003/02/11 15:23
9	0	((sponge or delayed or green).ti.) and ((coke or coking or felxicoking).ti.)) and ((adsorb\$5 or sorb\$4) near9 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near9 (coke or coking or flexicoking))	USPAT	2003/02/11 14:43
10	7	((sponge or delayed or green) near9 (coke or coking)) and ((adsorb\$5 or sorb\$4) near9 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near9 (coke or coking or flexicoking))	USPAT	2003/02/11 14:46
11	41375	(clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)	USPAT	2003/02/11 14:52
12	191	((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission))	USPAT	2003/02/11 14:53
13	191	((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and ((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission))	USPAT	2003/02/11 15:05
14	1	((adsorb\$5 or sorb\$4) near5 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near5 (coke)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and ((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission))))	USPAT	2003/02/11 14:54

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US005915311	6	6	0	1
US005437851	6	6	0	1
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US005915311	6	1 - 6	1
US005437851	6	1 - 6	1
Total (4)	27	-	-

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Summary

<u>Document</u>	<u>Pages</u>	<u>Printed</u>	<u>Missed</u>	<u>Copies</u>
US003979277	12	12	0	1
US003617481	7	7	0	1
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Summary

Document	Pages	Printed	Missed	Copies
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Total (1)	4	4	0	-

15	6	((sponge or delayed or green).ti.) and ((coke or coking or felxicoking).ti.) and (((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and ((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission))))	USPAT	2003/02/11 14:54
16	32317	sponge	USPAT	2003/02/11 15:05
17	44	((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and ((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)))) and sponge	USPAT	2003/02/11 15:17
18	147	((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) not (((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and ((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)))) and sponge)	USPAT	2003/02/11 15:17
19	1222	208/128-132.ccls.	USPAT	2003/02/11 15:17
20	13	((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) not (((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and ((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)))) and sponge)) and 208/128-132.ccls.	USPAT	2003/02/11 15:18
21	5	scaltech.asn.	USPAT	2003/02/11 15:21
22	1	((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and ((sponge or delayed or green) near9 (coke or coking)) and ((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)))) and scaltech.asn.	USPAT	2003/02/11 15:20
23	2	((sponge or delayed or green) near9 (coke or coking)) and scaltech.asn.	USPAT	2003/02/11 15:22
24	1	((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and scaltech.asn.	USPAT	2003/02/11 15:22
25	118	chemical\$4 near3 carboniz\$6	USPAT	2003/02/11 15:24

26	2	((adsorb\$5 or sorb\$4) near9 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near9 (coke or coking or flexicoking)) and (chemical\$4 near3 carboniz\$6)	USPAT	2003/02/11 15:28
27	422	(activat\$3 near4 (coke or carbon)).ti.	USPAT	2003/02/11 15:29
28	6	((sponge or delayed or green) near9 (coke or coking)) and ((activat\$3 near4 (coke or carbon)).ti.)	USPAT	2003/02/11 15:35
29	2	((adsorb\$5 or sorb\$4) near9 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near9 (coke or coking or flexicoking)) and (chemical\$4 near3 carboniz\$6)	USPAT	2003/02/11 15:36
30	0	((adsorb\$5 or sorb\$4) near9 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near9 (coke or coking or flexicoking)) and 208/128-132.ccls.	USPAT	2003/02/11 15:36
31	192	(impregnat\$3 or inject\$3 or incorporat\$4) near12 (sulfur or agent or chemical or ion or ionizing) near12 (coke or coking or quench)	USPAT	2003/02/11 15:40
32	4	((adsorb\$5 or sorb\$4) near9 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near9 (coke or coking or flexicoking)) and ((impregnat\$3 or inject\$3 or incorporat\$4) near12 (sulfur or agent or chemical or ion or ionizing) near12 (coke or coking or quench))	USPAT	2003/02/11 15:46
33	362	(hydroprocess\$ or hydrogenat\$4) near6 coke	USPAT	2003/02/11 15:47
34	4	((adsorb\$5 or sorb\$4) near9 (increas\$3 or improv\$4 or ameliorate\$2 or produced or producing) near9 (coke or coking or flexicoking)) and ((hydroprocess\$ or hydrogenat\$4) near6 coke)	USPAT	2003/02/11 15:51
35	5	(asphaltic or asphaltenic) adj coke	USPAT	2003/02/11 15:52
36	15	thermal adj coke	USPAT	2003/02/11 15:57
37	1	((asphaltic or asphaltenic) adj coke) and (thermal adj coke)	USPAT	2003/02/11 15:55
38	158	sncr	USPAT	2003/02/11 15:57
39	22	sncr and coke	USPAT	2003/02/11 15:58
40	6	((clean\$3 or purif\$4 or (remov\$4 near12 (mercury or cyanide or toxic))) near12 (gas or gaseous or vapor or emission)) and (sncr and coke)	USPAT	2003/02/11 15:59
41	16	hydroprocess\$3 near2 coke	USPAT	2003/02/11 16:04
42	3402	208/400-432.ccls. or 208/128-132.ccls.	USPAT	2003/02/11 16:05
43	55	((hydroprocess\$ or hydrogenat\$4) near6 coke) and (208/400-432.ccls. or 208/128-132.ccls.)	USPAT	2003/02/11 16:36
44	1	3817853.pn.	USPAT	2003/02/11 16:36